

FIG. 1

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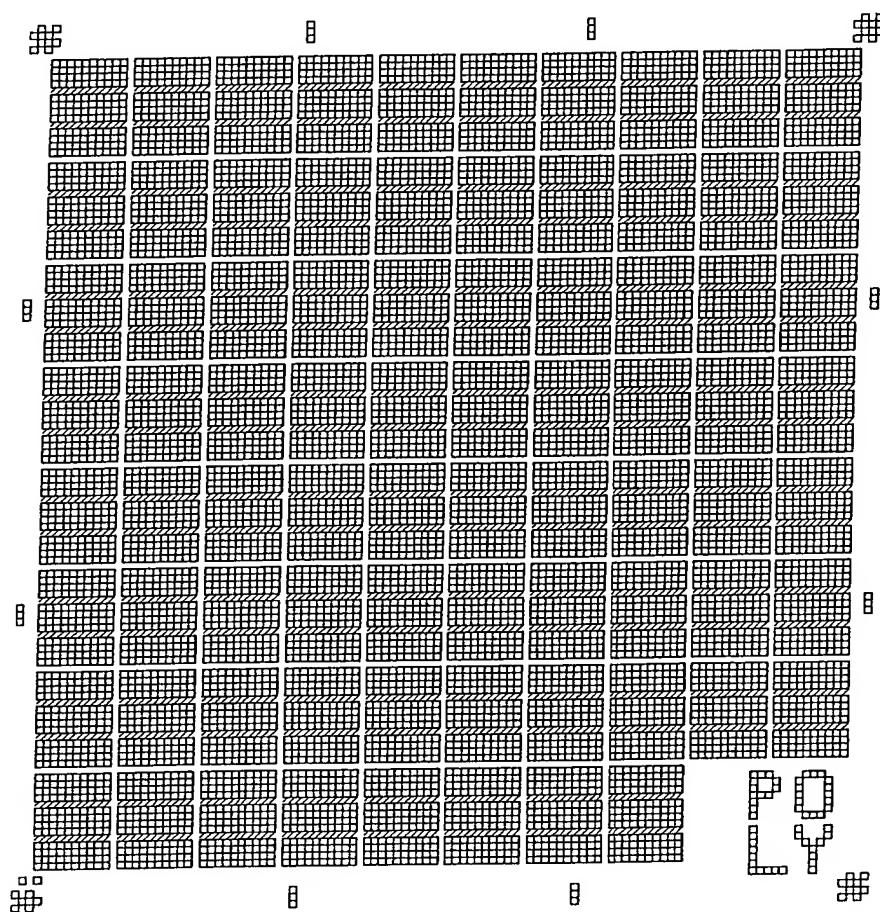


FIG. 2A

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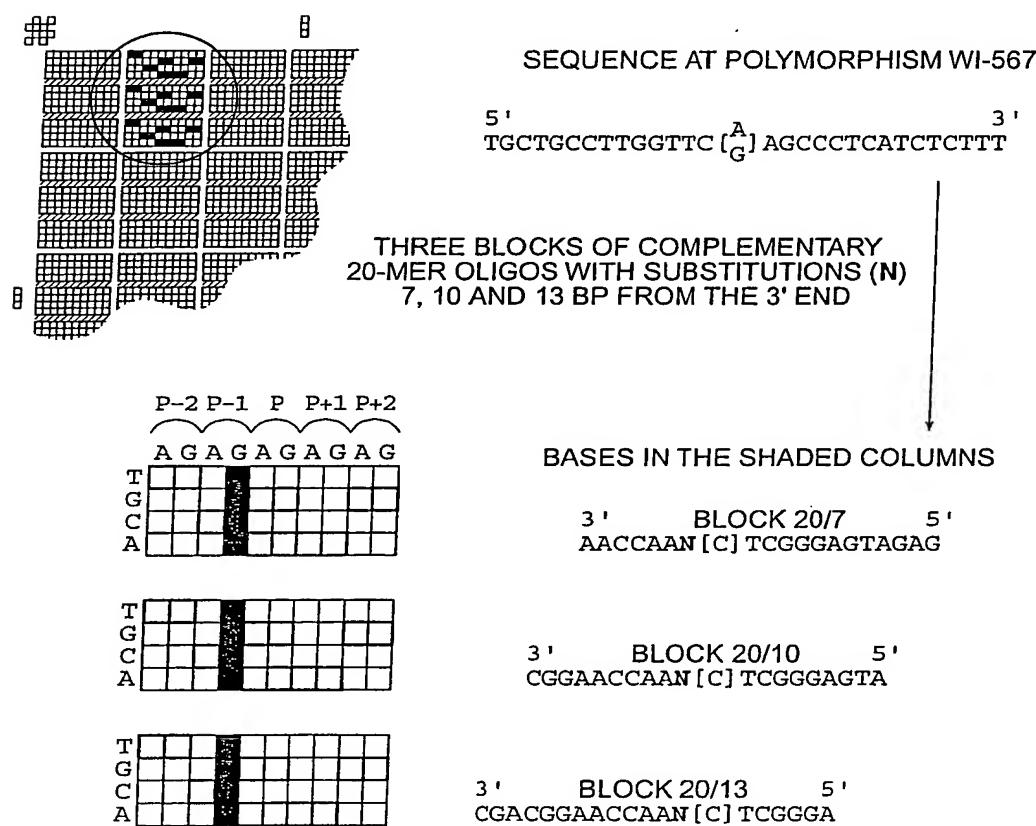


FIG. 2B

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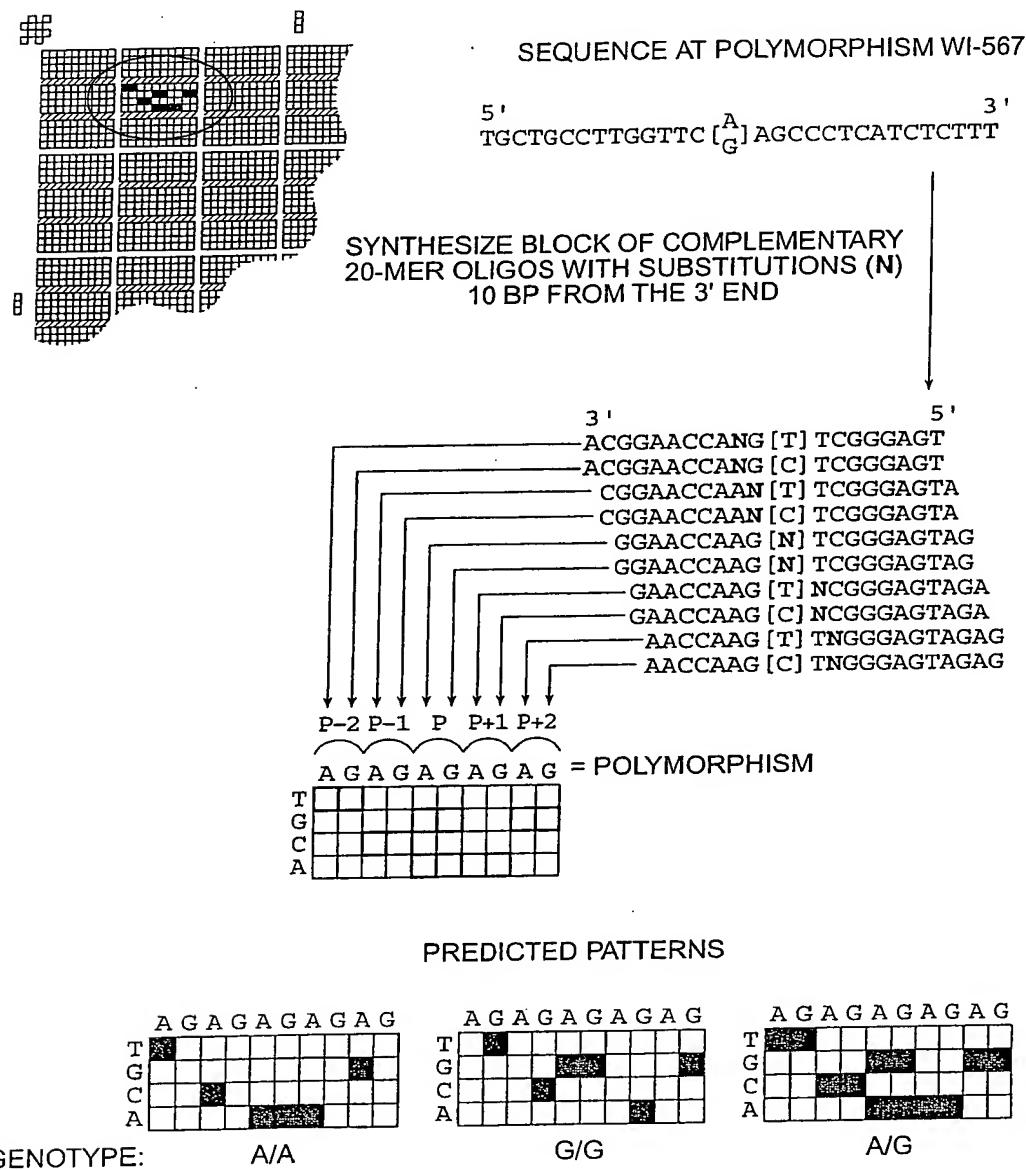


FIG. 3

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WI-1959 = : . ACCAAAAATCAGTC [T/C] GGGTAACGTGAGTGTG .

TCTCTCTCTC = POLYMORPHISM

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FIG. 4

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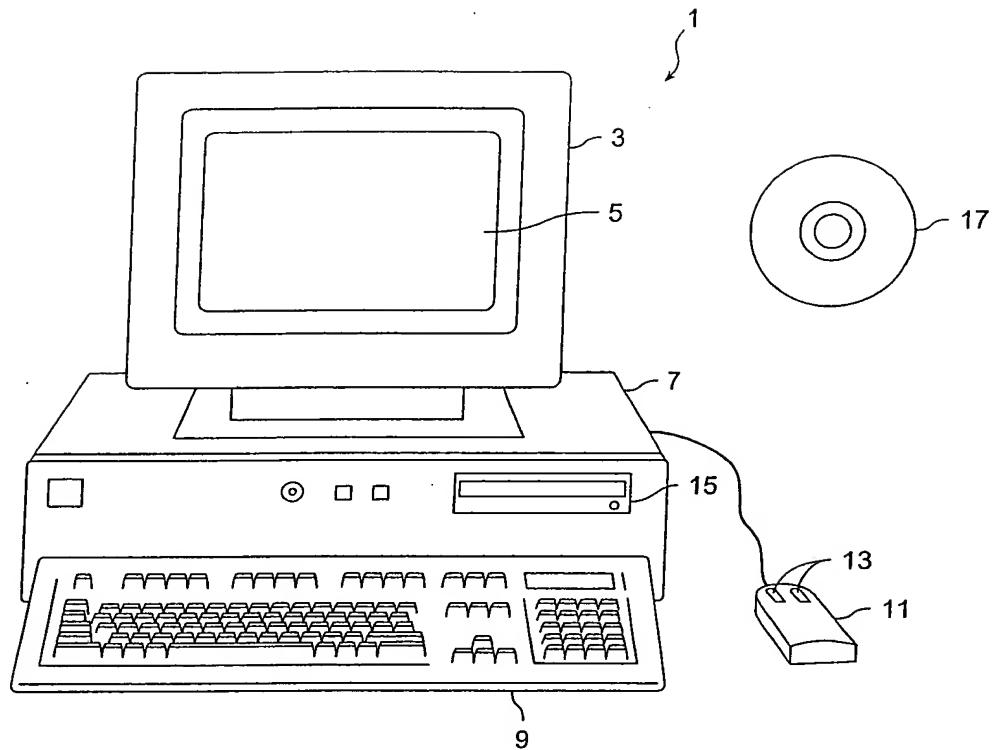


FIG. 5

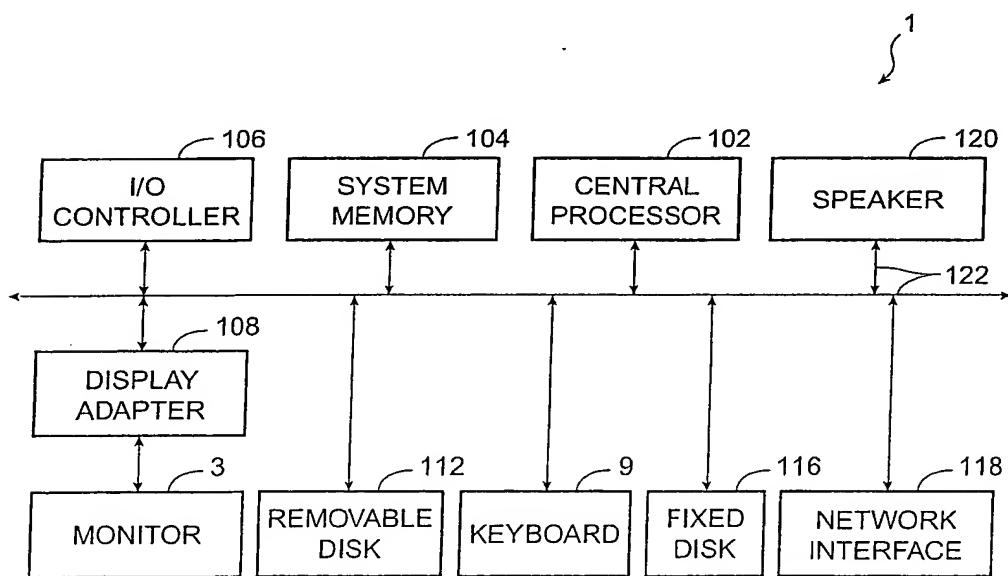


FIG. 6

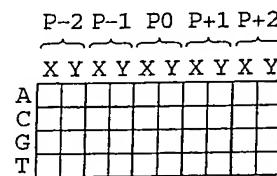


FIG. 7

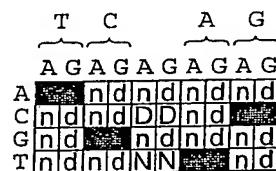


FIG. 8

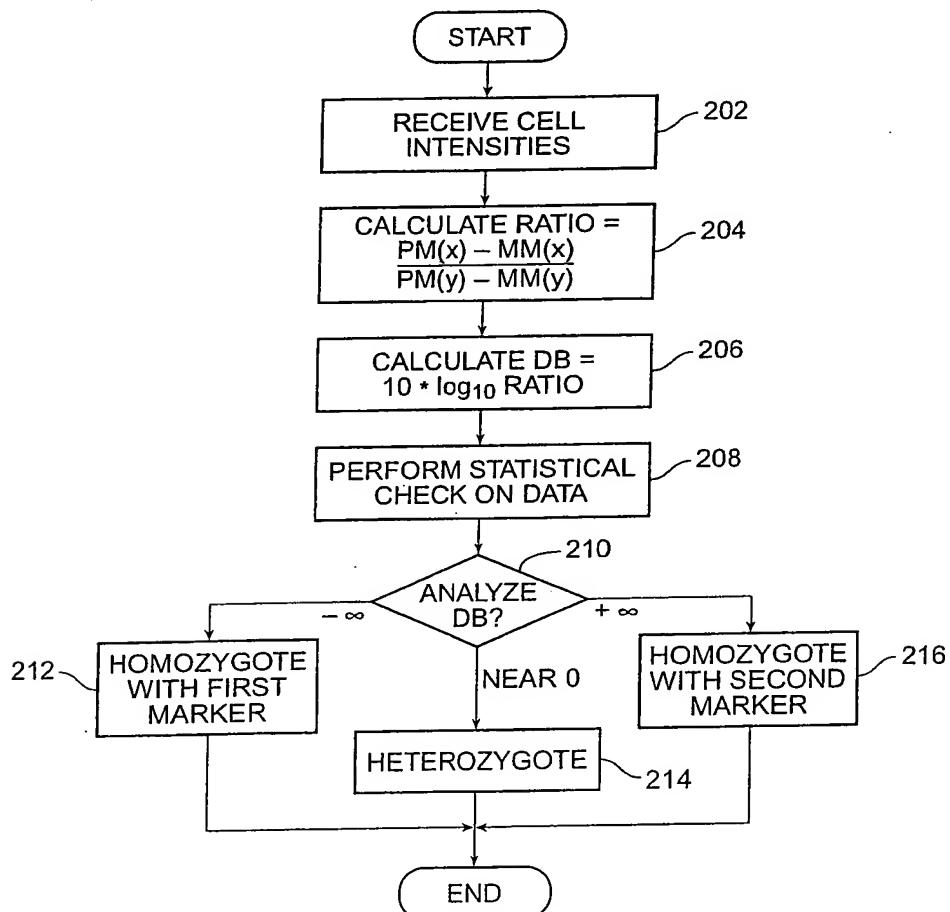


FIG. 9

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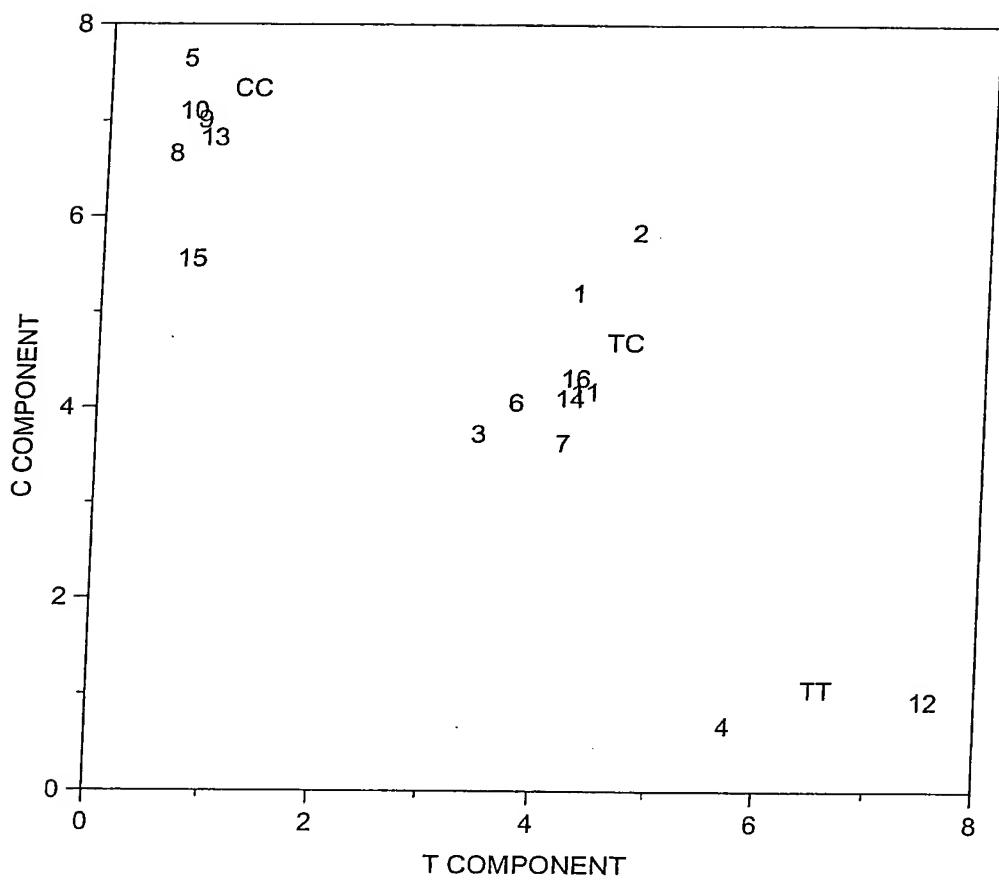
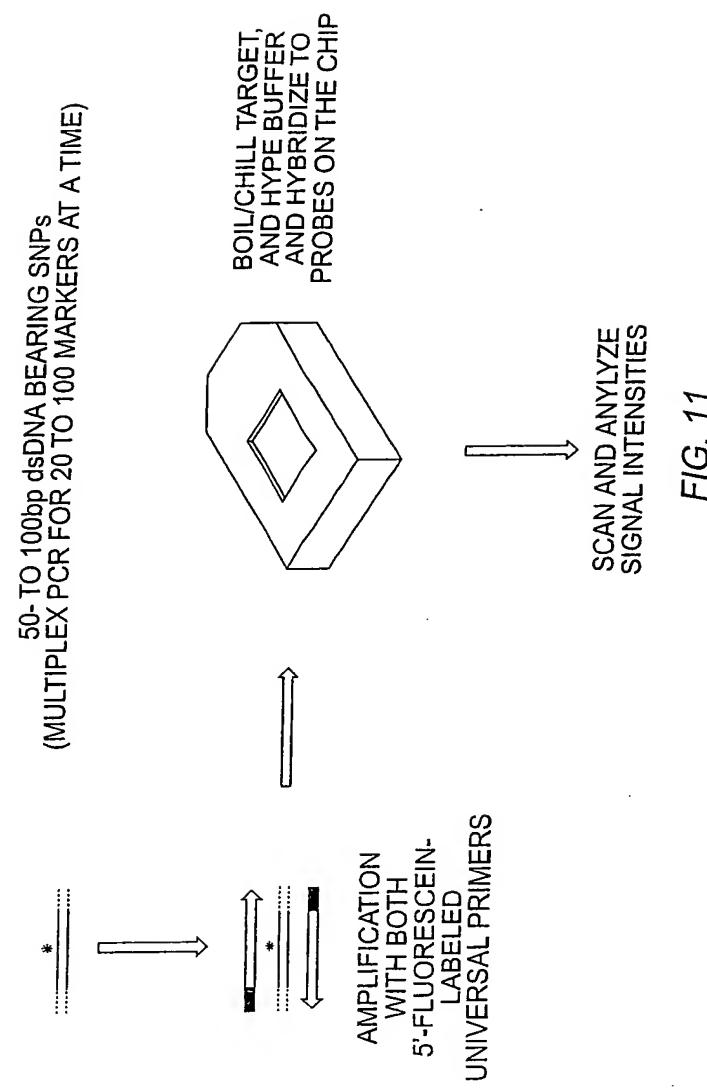


FIG. 10

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$$\text{DB} = \text{"DECIBELS"} = 10 \times \log (\text{DETECTION RATIO})$$

$$\text{DETECTION RATIO} = \frac{\text{A PERFECT MATCH} - \text{A MISMATCHES}}{\text{B PERFECT MATCH} - \text{B MISMATCHES}}$$

$$C = \text{SIGNIFICANCE CHECK} = \frac{\text{MAX (A OR B PERFECT MATCH)}}{\sigma(\text{A OR B MISMATCHES})} > 2$$

$$P = \text{PATTERN MATCHING} = \frac{\text{MEAN} [\text{MAX (A OR B PERFECT MATCHES)}]}{\text{MEAN} [\text{MAX(A OR B MISMATCHES)}]} > 1.2$$

PREDICTED PATTERNS

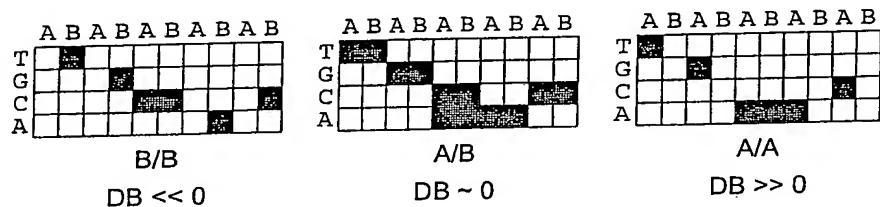


FIG. 12

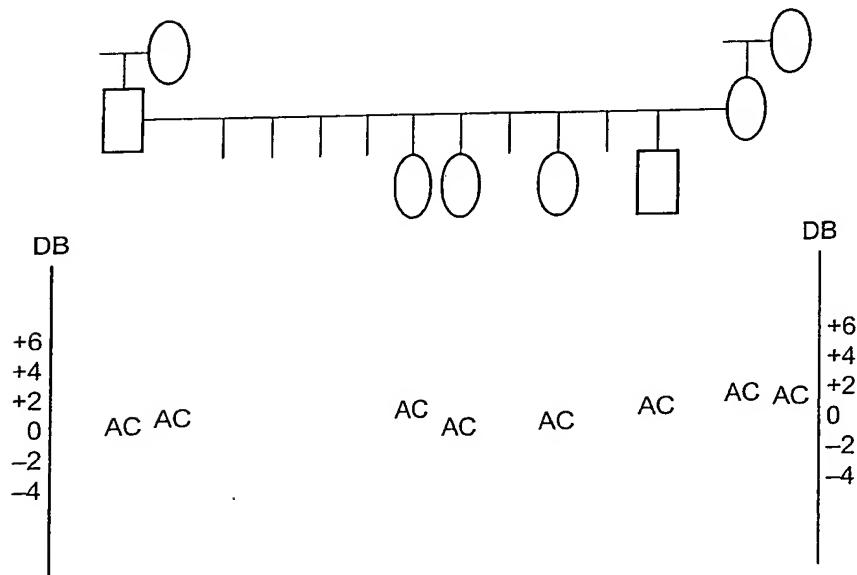


FIG. 13

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